

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/568,764  
Source: IFWP  
Date Processed by STIC: 2/28/06

# ***ENTERED***

## CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/568,764

CRF Edit Date: 3/2/06  
Edited by: [Signature]

\_\_\_ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

\_\_\_ Corrected the SEQ ID NO. Sequence numbers edited were:

\_\_\_\_\_

\_\_\_ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

\_\_\_\_\_

✓ Deleted: ✓ invalid beginning/end-of-file text ; \_\_\_ page numbers

\_\_\_ Inserted mandatory headings/numeric identifiers, specifically:

\_\_\_\_\_

\_\_\_ Moved responses to same line as heading/numeric identifier, specifically:

\_\_\_\_\_

\_\_\_ Other:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



IFWP

## RAW SEQUENCE LISTING

DATE: 03/02/2006

PATENT APPLICATION: US/10/568,764

TIME: 16:37:10

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\03022006\J568764.raw

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3 <110> APPLICANT: Bayer AG, BHC
5 <120> TITLE OF INVENTION: Diagnostics and Therapeutics for Diseases Associated with
Kallikrein 11
6      (KLK11)
8 <130> FILE REFERENCE: Le A 36 873
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/568,764
C--> 10 <141> CURRENT FILING DATE: 2006-02-21
10 <160> NUMBER OF SEQ ID NOS: 5
12 <170> SOFTWARE: PatentIn version 3.1
14 <210> SEQ ID NO: 1
15 <211> LENGTH: 753
16 <212> TYPE: DNA
17 <213> ORGANISM: Homo sapiens
19 <400> SEQUENCE: 1
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21 aggatcatca aggggttcga gtgcaagcct cactcccagc cctggcaggc agccctgttc      120
22 gagaagacgc ggctactctg tggggcgacg ctcatcgccc ccagatggct cctgacagca      180
23 gccactgcc tcaagccccg ctacatagtt cacctggggc agcacaacct ccagaaggag      240
24 gagggctgtg agcagaccgc gacagccact gagtccttcc cccaccccg gcttcaacaac      300
25 agcctcccca acaaagacca ccgcaatgac atcatgctgg tgaagatggc atcgccagtc      360
26 tccatcacct gggctgtgcg acccctcacc ctctcctcac gctgtgtcac tgctggcacc      420
27 agctgcctca tttccggctg gggcagcacg tccagccccc agttacgcct gcctcacacc      480
28 ttgcgatgcy ccaacatcac catcattgag caccagaagt gtgagaacgc ctaccccggc      540
29 aacatcacag acaccatggt gtgtgccagc gtgcaggaag ggggcaagga ctctgccag      600
30 ggtgactccg ggggccctct ggtctgtaac cagtctcttc aaggcattat ctctggggc      660
31 caggatccgt gtgcgatcac ccgaaagcct ggtgtctaca cgaaagtctg caaatatgtg      720
32 gactggatcc aggagacgat gaagaacaat tag      753
34 <210> SEQ ID NO: 2
35 <211> LENGTH: 250
36 <212> TYPE: PRT
37 <213> ORGANISM: Homo sapiens
39 <400> SEQUENCE: 2
40 Met Arg Ile Leu Gln Leu Ile Leu Leu Ala Leu Ala Thr Gly Leu Val
41 1          5          10          15
42 Gly Gly Glu Thr Arg Ile Ile Lys Gly Phe Glu Cys Lys Pro His Ser
43          20          25          30
44 Gln Pro Trp Gln Ala Ala Leu Phe Glu Lys Thr Arg Leu Leu Cys Gly
45          35          40          45
46 Ala Thr Leu Ile Ala Pro Arg Trp Leu Leu Thr Ala Ala His Cys Leu
47          50          55          60
48 Lys Pro Arg Tyr Ile Val His Leu Gly Gln His Asn Leu Gln Lys Glu
49 65          70          75          80
50 Glu Gly Cys Glu Gln Thr Arg Thr Ala Thr Glu Ser Phe Pro His Pro
51          85          90          95

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## RAW SEQUENCE LISTING

DATE: 03/02/2006

PATENT APPLICATION: US/10/568,764

TIME: 16:37:10

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\03022006\J568764.raw

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52 Gly Phe Asn Asn Ser Leu Pro Asn Lys Asp His Arg Asn Asp Ile Met
53          100          105          110
54 Leu Val Lys Met Ala Ser Pro Val Ser Ile Thr Trp Ala Val Arg Pro
55          115          120          125
56 Leu Thr Leu Ser Ser Arg Cys Val Thr Ala Gly Thr Ser Cys Leu Ile
57          130          135          140
58 Ser Gly Trp Gly Ser Thr Ser Ser Pro Gln Leu Arg Leu Pro His Thr
59 145          150          155          160
60 Leu Arg Cys Ala Asn Ile Thr Ile Ile Glu His Gln Lys Cys Glu Asn
61          165          170          175
62 Ala Tyr Pro Gly Asn Ile Thr Asp Thr Met Val Cys Ala Ser Val Gln
63          180          185          190
64 Glu Gly Gly Lys Asp Ser Cys Gln Gly Asp Ser Gly Gly Pro Leu Val
65          195          200          205
66 Cys Asn Gln Ser Leu Gln Gly Ile Ile Ser Trp Gly Gln Asp Pro Cys
67          210          215          220
68 Ala Ile Thr Arg Lys Pro Gly Val Tyr Thr Lys Val Cys Lys Tyr Val
69 225          230          235          240
70 Asp Trp Ile Gln Glu Thr Met Lys Asn Asn
71          245          250
73 <210> SEQ ID NO: 3
74 <211> LENGTH: 20
75 <212> TYPE: DNA
76 <213> ORGANISM: artificial sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: forward primer
81 <400> SEQUENCE: 3
82 ggatccagga gacgatgaag
84 <210> SEQ ID NO: 4
85 <211> LENGTH: 20
86 <212> TYPE: DNA
87 <213> ORGANISM: artificial sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: reverse primer
92 <400> SEQUENCE: 4
93 agtggaaatg gagggatgatg
95 <210> SEQ ID NO: 5
96 <211> LENGTH: 24
97 <212> TYPE: DNA
98 <213> ORGANISM: artificial sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: probe
103 <400> SEQUENCE: 5
104 tagactggac ccaccacca cagc

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20

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24

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/568,764

DATE: 03/02/2006

TIME: 16:37:11

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\03022006\J568764.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

**Raw Sequence Listing before editing  
(for reference only)**



IFWP

## RAW SEQUENCE LISTING

DATE: 02/28/2006

PATENT APPLICATION: US/10/568,764

TIME: 13:54:40

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\02282006\J568764.raw

3 <110> APPLICANT: Bayer AG, BHC  
 5 <120> TITLE OF INVENTION: Diagnostics and Therapeutics for Diseases Associated with  
 Kallikrein 11

6 (KLK11)

8 &lt;130&gt; FILE REFERENCE: Le A 36 873

C--&gt; 10 &lt;140&gt; CURRENT APPLICATION NUMBER: US/10/568,764

C--&gt; 10 &lt;141&gt; CURRENT FILING DATE: 2006-02-21

10 &lt;160&gt; NUMBER OF SEQ ID NOS: 5

12 &lt;170&gt; SOFTWARE: PatentIn version 3.1

14 &lt;210&gt; SEQ ID NO: 1

15 &lt;211&gt; LENGTH: 753

16 &lt;212&gt; TYPE: DNA

17 &lt;213&gt; ORGANISM: Homo sapiens

19 &lt;400&gt; SEQUENCE: 1

20 atgaggattc tgcagttaat cctgcttgct ctggcaacag ggcttgtagg gggagagacc 60  
 21 aggatcatca aggggttcga gtgcaagcct cactcccagc cctggcaggc agccctgttc 120  
 22 gagaagacgc ggctactctg tggggcgacg ctcatcgccc ccagatggct cctgacagca 180  
 23 gccactgcc tcaagccccg ctacatagtt cacctggggc agcacaacct ccagaaggag 240  
 24 gagggctgtg agcagacccg gacagccact gagtccttcc cccaccccgg cttcaacaac 300  
 25 agcctcccca acaaagacca ccgcaatgac atcatgctgg tgaagatggc atcgccagtc 360  
 26 tccatcacct gggctgtgcg acccctcacc ctctcctcac gctgtgtcac tgctggcacc 420  
 27 agctgcctca tttccggctg gggcagcacg tccagccccc agttacgcct gcctcacacc 480  
 28 ttgcgatgcg ccaacatcac catcattgag caccagaagt gtgagaacgc ctaccccggc 540  
 29 aacatcacag acaccatggg gtgtgccagc gtgcaggaag ggggcaagga ctccctgccag 600  
 30 ggtgactccg ggggccctct ggtctgtaac cagtctcttc aaggcattat ctccctggggc 660  
 31 caggatccgt gtgcgatcac ccgaaagcct ggtgtctaca cgaaagtctg caaatatgtg 720  
 32 gactggatcc aggagacgat gaagaacaat tag 753

34 &lt;210&gt; SEQ ID NO: 2

35 &lt;211&gt; LENGTH: 250

36 &lt;212&gt; TYPE: PRT

37 &lt;213&gt; ORGANISM: Homo sapiens

39 &lt;400&gt; SEQUENCE: 2

40 Met Arg Ile Leu Gln Leu Ile Leu Leu Ala Leu Ala Thr Gly Leu Val  
 41 1 5 10 15  
 42 Gly Gly Glu Thr Arg Ile Ile Lys Gly Phe Glu Cys Lys Pro His Ser  
 43 20 25 30  
 44 Gln Pro Trp Gln Ala Ala Leu Phe Glu Lys Thr Arg Leu Leu Cys Gly  
 45 35 40 45  
 46 Ala Thr Leu Ile Ala Pro Arg Trp Leu Leu Thr Ala Ala His Cys Leu  
 47 50 55 60  
 48 Lys Pro Arg Tyr Ile Val His Leu Gly Gln His Asn Leu Gln Lys Glu  
 49 65 70 75 80  
 50 Glu Gly Cys Glu Gln Thr Arg Thr Ala Thr Glu Ser Phe Pro His Pro  
 51 85 90 95

**Does Not Comply**  
**Corrected Diskette Needed**

P.2

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/568,764

DATE: 02/28/2006

TIME: 13:54:40

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\02282006\J568764.raw

```

52 Gly Phe Asn Asn Ser Leu Pro Asn Lys Asp His Arg Asn Asp Ile Met
53           100           105           110
54 Leu Val Lys Met Ala Ser Pro Val Ser Ile Thr Trp Ala Val Arg Pro
55           115           120           125
56 Leu Thr Leu Ser Ser Arg Cys Val Thr Ala Gly Thr Ser Cys Leu Ile
57           130           135           140
58 Ser Gly Trp Gly Ser Thr Ser Ser Pro Gln Leu Arg Leu Pro His Thr
59 145           150           155           160
60 Leu Arg Cys Ala Asn Ile Thr Ile Ile Glu His Gln Lys Cys Glu Asn
61           165           170           175
62 Ala Tyr Pro Gly Asn Ile Thr Asp Thr Met Val Cys Ala Ser Val Gln
63           180           185           190
64 Glu Gly Gly Lys Asp Ser Cys Gln Gly Asp Ser Gly Gly Pro Leu Val
65           195           200           205
66 Cys Asn Gln Ser Leu Gln Gly Ile Ile Ser Trp Gly Gln Asp Pro Cys
67           210           215           220
68 Ala Ile Thr Arg Lys Pro Gly Val Tyr Thr Lys Val Cys Lys Tyr Val
69 225           230           235           240
70 Asp Trp Ile Gln Glu Thr Met Lys Asn Asn
71           245           250

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73 &lt;210&gt; SEQ ID NO: 3

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82 ggatccagga gacgatgaag

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84 &lt;210&gt; SEQ ID NO: 4

85 &lt;211&gt; LENGTH: 20

86 &lt;212&gt; TYPE: DNA

87 &lt;213&gt; ORGANISM: artificial sequence

89 &lt;220&gt; FEATURE:

90 &lt;223&gt; OTHER INFORMATION: reverse primer

92 &lt;400&gt; SEQUENCE: 4

93 agtggaaatg gagggatgatg

20

95 &lt;210&gt; SEQ ID NO: 5

96 &lt;211&gt; LENGTH: 24

97 &lt;212&gt; TYPE: DNA

98 &lt;213&gt; ORGANISM: artificial sequence

100 &lt;220&gt; FEATURE:

101 &lt;223&gt; OTHER INFORMATION: probe

103 &lt;400&gt; SEQUENCE: 5

104 tagactggac ccacccacca cagc

24

W--&gt; 106 Le A 36 873-Foreign Countries

W--&gt; 109 - 2 -

W--&gt; 113 Le A 36 873-Foreign Countries

W--&gt; 116 - 1 -



## VERIFICATION SUMMARY

DATE: 02/28/2006

PATENT APPLICATION: US/10/568,764

TIME: 13:54:42

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\02282006\J568764.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No  
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:106 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:5  
L:109 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5  
L:113 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:5  
L:116 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5